

SEQUENCE LISTING

GENERAL INFORMATION:

(i)

APPLICANT: PEREGRINO FERREIRA, Paulo;

5 GESSIEN KROON, Erna;

PIMENTA DOS REIS, Karlisson Jennner;

BIAS FORTES FERRAZ, Isabella;

CERQUEIRA LEITE, Romulo.

(ii)

10 TITLE OF INVENTION: Method and composition for the diagnosis of equine
infectious anemia virus disease by using the recombinant capsid protein virus
(p26)

(iii)

NUMBER OF SEQUENCES: 1

15 (iv)

CORRESPONDENCE ADDRESS:

(A)

ADDRESSEE: Universidade Federal de Minas Gerais - CTIT

(B)

20 STREET: Avenida Antônio Carlos, 6627 Bairro São Francisco

(C)

CITY: Belo Horizonte

(D)

STATE: Minas Gerais

25 (E)

COUNTRY: BRAZIL

(F)

ZIP: 31270-901

(v)

30 COMPUTER READABLE FORM:

(A)

MEDIUM TYPE: diskette – 3.50 inch, 1.44 Mb storage

(B)

COMPUTER: IBM compatible

(C)

5 OPERATING SYSTEM: Windows 98

(D)

SOFTWARE: Office premium

(vi)

CURRENT APPLICATION DATA:

10 (A)

APPLICATION NUMBER: U.S. 09/331.262

(B)

FILING DATE:

(C)

15 CLASSIFICATION: C12Q1/70

(vii)

PRIOR APPLICATION DATA

(A)

APPLICATION NUMBER: PI 9606273-8

20 (B)

FILING DATE: 18-DEC-1996

(2)

INFORMATION FOR SEQ ID NO:1:

(i)

25 SEQUENCE CHARACTERISTICS:

(A)

LENGHT: 252 amino acids

(B)

TYPE: amino acid

30 (D)

TOPOLOGY: linear

(ii)

MOLECULE TYPE : protein

(vi)

5 ORIGINAL SOURCE

(A)

ORGANISM : equine infectious anemia virus

(ix)

FEATURE:

10 (A)

NAME: p26

(x)

PUBLICATION INFORMATION

(A)

15 AUTHORS:

(B)

TITLE: (

C)

JOURNAL:

20 (D)

VOLUME:

(F)

PAGES:

(G)

25 DATE:

(xi)

SEQUENCE DESCRIPTION: SEQ ID NO:1

His His His His His His Gly Ser Pro Gly Asn Pro Leu Thr Trp

30

5

10

15

| | | |
|----|---|---------|
| | Ser Lys Ala Leu Lys Lys Leu Glu Lys Val Thr Val Gln Gly Ser | |
| | 20 | 25 30 |
| | Gln Lys Leu Thr Thr Gly Asn Cys Na Trp Ala Leu Ser Leu Val | |
| | 35 | 40 45 |
| 5 | Asp Leu Phe His Asp Thr Asn Phe Val Lys Glu Lys Asp Trp Gln | |
| | 50 | 55 60 |
| | Leu Arg Asp Val Ile Pro Leu Leu Glu Asp Val Thr Gln Thr Val | |
| | 65 | 70 75 |
| | Ser Gly Gln Glu Arg Glu Ala Phe Glu Arg Thr Trp Trp Ala Ile | |
| 10 | 80 | 85 90 |
| | Ser Ala Val Lys Met Gly Leu Gln Ile Asn AsnVal Val Asp Gly | |
| | 95 | 100 105 |
| | Lys Ala Ser Phe Gln Leu Leu Arg Ala Lys Tyr Glu Lys Lys Thr | |
| | 110 | 115 120 |
| 15 | Ala Asn Lys Lys Gln Ser Glu Pro Ser Glu Glu Tyr Pro Ile Met | |
| | 125 | 130 135 |
| | Ile Asp Gly Ala Gly Asn Arg Asn Phe Arg Pro Leu Thr Pro Arg | |
| | 140 | 145 150 |
| | Gly Tyr Thr Thr Trp Val AsnThr Ile Gln Thr Asn Gly Leu Leu | |
| 20 | 155 | 160 165 |
| | Asn Glu Ala Ser Gln Asn Leu Phe Gly Ile Leu Ser Val Asp Cys | |
| | 170 | 175 180 |
| | Thr Ser Glu Glu Met Asn Ala Phe Leu Asp Val Val Pro Gly Gln | |
| | 185 | 190 195 |
| 25 | Ala Gly Gln Lys Gln Ile Leu Leu Asp Ala Ile Asp Lys Ile Ala | |
| | 200 | 205 210 |
| | Asp Asp Trp Asp Asn Arg His Pro Leu Pro Asn Ala Pro Leu Val | |
| | 215 | 220 225 |
| | Ala Pro Pro Gln Gly Pro Ile Pro Met Thr Ala Arg Phe Ile Arg | |
| 30 | 230 | 235 240 |
| | Gly Leu Gly Val Pro Arg Glu Arg Gln Met Glu Pro | |
| | 245 | 250 |

Asn Cys Val Val Gln Ser Phe Gly Val Ile Gly Gln Ala His Leu.

260 265 270

Glu Leu Pro Arg Pro Asn Lys Arg Ile Arg Asn Gln. Ser Phe Asn

275 280 285

5 Gln Tyr Asn Cys Ser Ile Asn. Asn Lys Thr Glu Leu Glu Thr Trp

290 295 300

Lys Leu.Val Lys Thr Ser Gly Val Thr Pro Leu Pro. Ile Ser Ser

305 310 315

Glu Ala Asn Thr Gly Leu

10 320